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Comstock Mill Historical Survey Site Packet

Mill # 07 Mill Name: Vivian Mill

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1.0 HISTORICAL DOCUMENTATION OF MILL

1.1 HISTORICAL SUMMARY OF VIVIAN MILL

The Vivian Mill, located one mile below the Merrimac Mill and near the Copper Canyon Mill, was first built between 1859 and 1860 by C. B. Barstow and Zenos Wheeler on behalf of Hansen and Woodworth. Floods in the winter of 1861-1862 destroyed the original mill, and reconstruction occurred between 1862 and 1863, with operations starting in June 1863 (Science Applications International Corp or CO, Technology Services Company [SAIA TSC] 1994:63).

In 1862, at which time the mill was recorded on Bancroft's map (Figure 1), the mill was owned by Sperry & Co and employed twelve men. It contained 16 stamps that crushed 25 tons every day except Sunday. The amalgamation process employed Wakalee's pans, and ore was processed for both gold and silver. The mill was powered by water brought through a 450 foot long ditch and flume to a central discharge seven-and-a-half foot diameter wheel. The mill also had a substantial stone dam in the river. The mill did both custom work and purchased ore (Kelly 1862:63; Basso 1972:16; Angel 1958:540).

In 1863, the mill was owned by E. Kuhling and Co. and superintended by C. B. Barstow. It had 16 stamps, eight Wheeler pans, three agitators, a 1,100 foot long ditch and flume, and a 25 ton capacity. That year, a 56-inch-diameter Leffel Turbine Wheel was installed. This wheel generated 99 horsepower, giving the mill a crushing capacity of 40 tons per day (Historical American Engineering Record [HAER] 1980; Angel 1958:540). In November of 1863, the mill stopped work due to a shortage of teamsters, but was running again the following month on ore from the Gould & Curry Mine (*Gold Hill Daily News* 1863a:3; 1863b:3).

In 1865, the mill had 16 stamps which were run by both water and steam. Peter Frothingham, who in 1867 became the mill owner, was the proprietor and F. F. Coffin was the foreman (*Gold Hill Daily News* 1865:2). In 1866, the mill was again both steam and water-powered. It had 16 stamps, eight Wheeler pans, and crushed 30 tons a day (Ansari 1989:78) and was recorded on a General Land Office survey plat (Figure 2). At this time, it was one of four mills working ore from the Confidence Mine (*Territorial Enterprise* 1866:3).

Through 1867, the mill continued to be powered by both steam and water and contained sixteen 650 pound stamps. These stamps dropped ten inches, 80 times per minute. The mill also contained eight Wheeler pans, four settlers, one agitator, and one Hanscom's breaker. Water power was generated by a central discharge wheel seven feet in diameter with a 14 foot fall. The mill had a capacity of 30 tons and processed 750 tons per month. There were nine employees and the mill was nine miles from the mine (Browne 1867: 354-360). In 1868, the mill worked ore from the Overman Mine (*Territorial Enterprise* 1868:3).

By the 1870s, the mill had 16 stamps, eight pans, and seven settling pans with a 44 ton capacity (Nevada State Mineralogist 1873; Powell 1876:67). The *Territorial Enterprise* (1870:3) reported that the mill commenced work in November 1870. The mill, dam, and bulkhead were repaired in the spring of 1872, temporarily halting the mill's operations (*Territorial Enterprise* 1872a:3; 1872:3). The mill was also active in 1873 (*Territorial Enterprise* 1873:3), and was recorded on Wheeler's 1877 map (Figure 3). At this time, the mill was working ore from the Trojan Mine (*Territorial Enterprise* 1877:3). The mill was also recorded on Wheeler's 1879 map (Figure 4). The mill was located on the Virginia & Truckee Railroad, and ore was brought from railroad cars, down a chute, and across a bridge (Paher 1970:50-51).

In 1882, the mill was working low grade ore (SAIA TSC 1994:65), but switched to ore from the Belcher Mine in 1885 and 1886 (Belcher Mining Company 1885). In 1889, the mill operated with 16 stamps (De Quille 1889). The mill remained open until the 1890s, with Augustus Cutts serving as foreman through 1893 (Ansari 1989:78; SAIC TSC 1994:65).

A 1951 newspaper article reported that buildings and rubble located below the Copper Canyon mill on the west side of the river were likely the site of the Vivian Mill (*Nevada State Journal* 1951:9). A Historic American Engineering Record report was performed in June 1980 at this site, noting the presence of an ore slide and some remnants (HAER 1980). The map from this report is shown in Figure 5.

The following tables contain the full title history of the Vivian Mill (SAIA TSC 1994:66-68).

DATE	DEED	GRANTOR	GRANTEE	PROPERTY & COMMENTS	DATE RECORDED	COUNTY BOOK	COUNTY PAGE	DOCUMENT NUMBER
04-12-1861 04-12-1861	Survey of Land Claim		E. Seid J.S. Henning A.M. Potts	Survey of three adjacent plots along Carson River, "including millsites and water power." Map shows 7 dams, but no other structures. Plots measure 113.14 acres (E. Seid), 77.21 acres (J.S. Henning), and 81.92 acres (A.M. Potts).	04-26-1861	CCR Survey Book A	065	(G-1)
05-02-1861	Deed	Charles H. Bryan Parker H. Pierce	William M. Stewart John G. Henning	Land along Carson River, as described in A/83	05-02-1861	Lyon Co. CCR Trans A	399-401	(G-2)
06-17-1861	Deed	John S. Henning	James A. Sperry N. Shilverick	Henning's water right as described in A/83	06-19-1861	CCR Deeds A	706-707	(G-3)
12-18-1861	Deed	James A. Sperry	Thomas McFarland	1/2 Henning's water right as described in A/85 1/2 quartz mill thereon	12-23-1861	CCR Deeds 1	782-784	(G-4)
12-01-1862	Sheriff's Deed	D.J. Cashesie, Ormsby County Sheriff	E. Ruhling H.V.S. McCullough	Vivian Mill (also known as Sperry & Co.'s Mill) and millsite (Henning's water right as described in A/85), pursuant to two money judgments rendered in April 1862 against J.A. Sperry, N. Shilverick, Edwin P. Whitmore and Thomas McFarland	12-06-1862	Ormsby Deeds 4	276-279	(G-5)
12-12-1862	Deed	E.H. Howard William Arlington	E. Ruhling H.V.S. McCullough	Henning's water right as described in A/85; Vivian or Sperry & Co.'s Mill	12-17-1862	Ormsby Deeds 4	327-328	(G-6)
11-17-1863	Deed	E. Ruhling H.V.S. McCullough	A. Laroche	Henning's water right as described in A/85; Vivian or Sperry & Co.'s Quartz Mill; one large building with 8 Wheeler pans	11-23-1863	Ormsby Deeds 6	433-435	(G-7)

2.5 Vivian Mill

The Vivian Mill (also known as Sperry and Company's Mill) was located on the Carson River about one mile below the Merrimac Mill (B-1;A010546) (B-2;A002001). The Preliminary Location Map of the Carson River Millsites shows the Vivian Mill in the east half of the northeast quarter (E $\frac{1}{2}$ NE $\frac{1}{4}$) and the northwest quarter (NW $\frac{1}{4}$) of of Section 7, T15N, R21E (Map 4). The current tax assessor's parcel number is 10-011-25.

The original Vivian Mill was constructed by C. B. Barstow and Zenos Wheeler for Hansen and Woodworth in 1859-60 (A-2;A008184,A008185,A008186).

The title history from 1861 to 1889 is derived from the Dangberg abstract. Some of the title documents are photocopies of typewritten copies filed in the 1889 lawsuit. On April 12 and 13, 1861, a survey of land claim was performed on three adjacent parcels along the Carson River, "including millsites and water power," for J. S. Henning, E. Said, and A. W. Potts (G-1). The map of the parcels shows two dams, but no other structures (G-1). The parcel claimed by Henning, on which the Vivian Mill was located, was 77.11 acres (G-1).

On May 2, 1861, Charles H. Bryan and Parker H. Pierce conveyed their interest in the Henning, Said and Potts parcels to William M. Stewart and John S. Henning (G-2). As described below, subsequent conveyances of the Henning parcel describe the land as a "water right" (e.g., G-3, G-4).

On June 17, 1861, John S. Henning conveyed his water right to James A. Sperry and N. Schiverick (G-3). Six months later, on December 18, 1861, James A. Sperry conveyed a half interest in Henning's water right and a half interest in an unspecified quartz mill to Thomas McFarland (G-4).

Kelly's 1862 Directory described the Vivian Mill as owned by Sperry & Co. and as located a short distance below the Copper Cañon Mill. The Vivian Mill was powered by water from a ditch 450 feet long and had 16 stamps and a crushing capacity of 25 tons per day (A-3;A011017).

The Vivian Mill was washed away by floods in the winter of 1861-62 (A-2;A008184). A second mill was constructed at this location by C. B. Barstow in the winter of 1862-63 and began operations in June 1863 (A-2;A008185,A008186).

On December 1, 1862, the Ormsby County Sheriff conveyed the Vivian Mill (also known as Sperry and Company's Mill), along with Henning's water right, to E. Ruhling and H. V. S. McCullough (G-5). The conveyance was the result of a sale of the property pursuant to two money judgments rendered in April 1862 against J. A. Sperry, N. Shiverick, Edwin P. Whitmore and Thomas McFarland (G-5). One of the judgments had been obtained by Ruhling and McCullough, and the other by William B. Hickok, William P. Harrington, and Charles A. Kinkead (composing the firm of Hickok and Company) (G-5).

According to the 1862 sheriff's deed, at the time of the sale, two other money judgments were outstanding against Sperry, Shiverick, Whitmore and McFarland (G-5). These other judgments had been obtained by E. H. Howard and William Arrington (G-5). A few days after the sheriff's deed, on December 12, 1862,

Howard and Arrington conveyed their interest in the Vivian Mill and Henning's water right to E. Ruhling and H. V. S. McCullough (G-6).

Kelly's 1863 Directory described the Vivian Mill as located 2 miles below the Merrimac Mill and as owned by E. Ruhling & Co. The mill had 16 stamps, 8 pans and a crushing capacity of 25 tons per day (A-4;A008106).

On November 12, 1863, E. Ruhling and H. V. S. McCullough conveyed the Vivian Mill, Henning's water right, and a large building with eight Wheeler pans to A. Laroche (G-7). Two months later, on January 7, 1864, the Ormsby County Sheriff filed a correction deed regarding his 1862 conveyance, correcting "imperfections" in the previous deed (G-8). According to the Dangberg abstract, E. Ruhling and H. V. S. McCullough had acquired the Vivian Mill from the Ormsby County Sheriff on January 7, 1864, which corresponds to the date of the sheriff's correction deed (G-8) (A-2;A008184).

A survey of land claim for A. S. Olin on April 10, 1865, shows the Vivian Mill on nearby land (G-9).

The 1866 Annual Report of the State Mineralogist described the Vivian Mill as having 16 stamps, 8 pans and a crushing capacity of 30 tons per day (A-5;A008520).

On October 10, 1866, the United States issued a patent to Nancy Bourke for the E $\frac{1}{2}$ NE $\frac{1}{4}$ of Section 7 and NW $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 7, which encompassed the Vivian Millsite (G-10). In a series of three deeds, Peter Frothingham consolidated the outstanding interests in the Vivian Millsite. On January 4, 1867, A. Laroche conveyed the Vivian Mill and Henning's water right to Frothingham (G-11). A few days later, on January 9, 1867, Nancy Bourke conveyed to Frothingham the NW $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 7 and the "Vivian Mill property," which was described as 53.56 acres located approximately at the western 2/3 of the E $\frac{1}{2}$ NE $\frac{1}{4}$ of Section 7 (G-12). In a later correction deed to Frothingham, dated August 21, 1867, Nancy Bourke described the conveyed property as approximately the western 2/3 of the E $\frac{1}{2}$ NE $\frac{1}{4}$ of Section 7 (53.56 acres), and the NW $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 7, but did not mention the Vivian Mill (G-13).

On November 24, 1868, Peter Frothingham conveyed approximately the western 2/3 of the E $\frac{1}{2}$ NE $\frac{1}{4}$ of Section 7 (53.56 acres) and NW $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 7 to A. E. Head (G-14). About two years later, on November 1, 1870, A.E. Head conveyed to William Sharon a 2/3 interest in approximately the western 2/3 of the E $\frac{1}{2}$ NE $\frac{1}{4}$ of Section 7 (53.56 acres) and NW $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 7, as well as a 2/3 interest in the Vivian Mill on the land (G-15). The Dangberg abstract confirms this conveyance to Sharon (A-2;A008184).

In the 1871-72 State Mineralogist's Biennial Report and Powell's 1876 Land of Silver, the Vivian Mill was described as having 16 stamps, 8 pans and a capacity of 40 tons per day (A-7;A008445) (A-8;A005026).

A. E. Head conveyed his remaining interest in the Vivian Mill, and the water right belonging to the mill, to William Sharon on February 10, 1873 (G-16). On February 20, 1873, William Sharon conveyed a half interest in the Vivian Mill, and in the water right belonging to the mill, to R. F. Morrow (G-17).

The Comstock Historic District reported that the Vivian Mill was running low-grade ore in 1882 (A-15;A019105).

On November 4, 1885, William Sharon conveyed all of his property, real and personal, to trustees Francis G. Newlands (his son-in-law) and Frederick W. Sharon (his son) (G-18). The trustees, as well as William Sharon's daughter and grandchildren, were the beneficiaries of the trust (G-18). The deed did not specifically mention the Vivian Mill property (G-18).

On March 23, 1888, Frederick W. Sharon resigned as trustee and conveyed to Francis G. Newlands legal title to the trust property (G-19). On August 26, 1889, Newlands, as trustee, conveyed the Vivian Mill property to the Union Mill and Mining Company (G-20).

Augustus Cutts was foreman of the Vivian Mill in 1881, and subsequently was superintendent of the mill at least until 1893 (A-2;A008186).

Because of time and funding constraints, the period from 1889 to 1990 was not searched. SAIC/TSC's title search subcontractor, Ann Marie Harris of Comstock Mining Services, reported that sometime in the 1940's or 1950's, Lorin O. Montgomery and Tibor W. Fejer filed a petition to split the parcels along the Carson River. They planned to dredge the river. The State of Nevada filed a lawsuit to establish its interest in the land lying below the natural high water mark of the river. No research was conducted to substantiate this statement.

On June 1990, a decree quieting title in the property was entered in favor of Bently Nevada Corporation, suggesting that Montgomery Fejer had conveyed the property to Bently by then (G-21). The decree described the property as the S $\frac{1}{2}$ Lot 1 NW $\frac{1}{4}$ of Section 7, and the NE $\frac{1}{4}$ of Section 7, except the portion of the property lying below the natural ordinary high water line of the Carson River (G-21). The named defendants in the quiet title action, who apparently claimed an interest in the property, were Pegasus Minerals, Inc., Jack R. Barnes, Burke Musgrove, and Eric Swanson (G-21).

CURRENT ASSESSED OWNER

Parcel No.

Owner

10-011-25

Bently Nevada Corporation
P.O. Box 157
Minden, Nevada 89423

The title abstract and title tree for the Vivian Millsite follow. The title documents are contained in Attachment VI.

VIVIAN MILLSITE

DATE	INST	GRANTOR	GRANTEE	PROPERTY & COMMENTS	DATE RECORDED	COUNTY BOOK	COUNTY PAGE	DOCUMENT NUMBER
04-12-1861 04-13-1861	Survey of Land Claim		E. Said J.S. Henning A.W. Potts	Survey of three adjacent plots along Carson River, "including millsites and water power." Map shows 2 dams, but no other structures. Plots measure 113.14 acres (E. Said), 77.11 acres (J.S. Henning), and 81.92 acres (A.W. Potts).	04-26-1861	CCR Surveys Morse A	085	(G-1)
05-02-1861	Deed	Charles H. Bryan Parker H. Pierce	William M. Stewart John S. Henning	Land along Carson River, as described in A/85	05-03-1861	Lyon Co. CCR Trans A	399-401	(G-2)
06-17-1861	Deed	John S. Henning	James A. Sperry N. Schiverick	Henning's water right as described in A/85	06-19-1861	CCR Deeds A	706-707	(G-3)
12-18-1861	Deed	James A. Sperry	Thomas McFarland	1/2 Henning's water right as described in A/85 1/2 quartz mill thereon	12-23-1861	CCR Deeds 1	782-784	(G-4)
12-01-1862	Sheriff's Deed	D.J. Gasherie, Ormsby County Sheriff	E. Ruhling H.V.S. McCullough	Vivian Mill (also known as Sperry & Co.'s Mill) and Millsite (Henning's water right as described in A/85), pursuant to two money judgments rendered in April 1862 against J.A. Sperry, N. Shiverick, Edwin P. Whitmore and Thomas McFarland	12-06-1862	Ormsby Deeds 4	276-279	(G-5)
12-12-1862	Deed	E.H. Howard William Arrington	E. Ruhling H.V.S. McCullough	Henning's water right as described in A/85; Vivian or Sperry & Co.'s Mill	12-17-1862	Ormsby Deeds 4	327-328	(G-6)
11-12-1863	Deed	E. Ruhling H.V.S. McCullough	A. Laroche	Henning's water right as described in A/85; Vivian or Sperry & Co.'s Quartz Mill; one large building with 8 Wheeler pans	11-21-1863	Ormsby Deeds 6	433-435	(G-7)

VIVIAN MILLSITE

DATE	INST	GRANTOR	GRANTEE	PROPERTY & COMMENTS	DATE RECORDED	COUNTY BOOK	COUNTY PAGE	DOCUMENT NUMBER
04-12-1861 04-13-1861	Survey of Land Claim		E. Said J.S. Henning A.W. Potts	Survey of three adjacent plots along Carson River, "including millsites and water power." Map shows 2 dams, but no other structures. Plots measure 113.14 acres (E. Said), 77.11 acres (J.S. Henning), and 81.92 acres (A.W. Potts).	04-26-1861	CCR Surveys Morse A	085	(G-1)
05-02-1861	Deed	Charles H. Bryan Parker H. Pierce	William M. Stewart John S. Henning	Land along Carson River, as described in A/85	05-03-1861	Lyon Co. CCR Trans A	399-401	(G-2)
06-17-1861	Deed	John S. Henning	James A. Sperry N. Schiverick	Henning's water right as described in A/85	06-19-1861	CCR Deeds A	706-707	(G-3)
12-18-1861	Deed	James A. Sperry	Thomas McFarland	1/2 Henning's water right as described in A/85 1/2 quartz mill thereon	12-23-1861	CCR Deeds 1	782-784	(G-4)
12-01-1862	Sheriff's Deed	D.J. Gasherie, Ormsby County Sheriff	E. Ruhling H.V.S. McCullough	Vivian Mill (also known as Sperry & Co.'s Mill) and Millsite (Henning's water right as described in A/85), pursuant to two money judgments rendered in April 1862 against J.A. Sperry, N. Shiverick, Edwin P. Whitmore and Thomas McFarland	12-06-1862	Ormsby Deeds 4	276-279	(G-5)
12-12-1862	Deed	E.H. Howard William Arrington	E. Ruhling H.V.S. McCullough	Henning's water right as described in A/85; Vivian or Sperry & Co.'s Mill	12-17-1862	Ormsby Deeds 4	327-328	(G-6)
11-12-1863	Deed	E. Ruhling H.V.S. McCullough	A. Laroche	Henning's water right as described in A/85; Vivian or Sperry & Co.'s Quartz Mill; one large building with 8 Wheeler pans	11-21-1863	Ormsby Deeds 6	433-435	(G-7)

VIVIAN MILLSITE (continued)

DATE	INST	GRANTOR	GRANTEE	PROPERTY & COMMENTS	DATE RECORDED	COUNTY BOOK	COUNTY PAGE	DOCUMENT NUMBER
01-07-1864	Sheriff's Correction Deed	D.J. Gasherie, Ormsby County Sheriff	E. Ruhling H.V.S. McCullough	Corrects imperfections of 4/276	01-07-1864	Ormsby Deeds 6	547-551	(G-8)
04-10-1865	Survey of Land Claim	)	A.S. Olin	Existence and approximate location of Vivian Mill shown on survey of nearby land	04-01-1865	Ormsby Sur-veyor's Records A	349	(G-9)
10-10-1866	Patent	United States of America	Nancy Bourke	E $\frac{1}{2}$ NE $\frac{1}{4}$ Section 7 NW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 7	02-20-1867	Ormsby Deeds 11	115-116	(G-10)
01-04-1867	Deed	A. Laroche	Peter Frothingham	Henning's water right as described in A/85; Vivian or Sperry & Co.'s Mill; one large building with 8 Wheeler pans	01-12-1867	Ormsby Deeds 9	630-632	(G-11)
01-09-1867	Deed	Nancy Bourke, by William S. Chapman, Attorney in Fact	Peter Frothingham	Vivian Mill property (53.56 acres; approximately western 2/3 of E $\frac{1}{2}$ NE $\frac{1}{4}$ Section 7); NW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 7	02-21-1867	Ormsby Deeds 11	117-119	(G-12)
08-21-1867	Correction Deed	Nancy Bourke	Peter Frothingham	About western 2/3 of E $\frac{1}{2}$ NE $\frac{1}{4}$ Section 7 (53.56 acres); NW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 7	08-27-1867	Ormsby Deeds 11	408-410	(G-13)
11-24-1868	Deed	Peter Frothingham	A.E. Head	About western 2/3 of E $\frac{1}{2}$ NE $\frac{1}{4}$ Section 7 (53.56 acres); NW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 7; Vivian Mill on above parcel	11-25-1868	Ormsby Deeds 12	186-188	(G-14)
11-01-1870	Deed	A.E. Head	William Sharon	2/3 interest in about western 2/3 of E $\frac{1}{2}$ NE $\frac{1}{4}$ Section 7 (53.56 acres); 2/3 interest in NW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 7; 2/3 interest in Vivian Mill on above parcel	11-14-1870	Ormsby Deeds 14	095-096	(G-15)
02-10-1873	Deed	A.E. Head	William Sharon	Vivian Quartz Mill and water right belonging to mill	02-25-1873	Ormsby Deeds 15	125	(G-16)

VIVIAN MILLSITE (continued)

DATE	INST	GRANTOR	GRANTEE	PROPERTY & COMMENTS	DATE RECORDED	COUNTY BOOK	COUNTY PAGE	DOCUMENT NUMBER
02-20-1873	Deed	William Sharon	R.F. Morrow	1/2 interest in Vivian Mill and water right belonging to mill	02-25-1873	Ormsby Deeds 15	124	(G-17)
11-04-1885	Trust Deed	William Sharon	Francis G. Newlands, Frederick W. Sharon, trustees	All real and personal property of Sharon conveyed to trustees, in trust for Sharon's son, daughter, grandchildren, and son-in-law.	11-05-1885	San Francisco Deeds 1180	105	(G-18)
03-23-1888	Resignation Deed	Frederick W. Sharon, trustee	Francis G. Newlands, trustee	F.W. Sharon resigns as trustee and conveys to F.G. Newlands, as trustee, legal title to trust property	03-11-1891	San Francisco Misc. 89	65	(G-19)
08-26-1889	Deed	Francis G. Newlands, trustee of the estate of William Sharon	Union Mill and Mining Company (CA corp.)	Vivian Mill and Millsite	Not recorded			(G-20)
Not available	Deed	Lorin O. Montgomery Tibor W. Fejer	Bently Nevada Corporation (NV corp.)	NE $\frac{1}{4}$ Section 7 S $\frac{1}{2}$ Lot 1 of NW $\frac{1}{4}$ Section 7				Not Searched
06-18-1990	Decree Quieting Title		Bently Nevada Corporation (NV corp.)	S $\frac{1}{2}$ Lot 1 of NW $\frac{1}{4}$ Section 7; NE $\frac{1}{4}$ Section 7 (except portion lying below natural ordinary high water line of Carson River)	06-20-1990	Carson City OR 1	2146	(G-21)
- 1993 -	Tax Roll		Bently Nevada	NE $\frac{1}{4}$ Section 7 Parcel Nos. 10-011-24, 10-011-25				

SOURCE: NEVADA: THE
LAND OF SILVER
BY JOHN J. POWELL, 1876

Nevada
On openlibrary.org

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NEVADA,

many varieties; but in the chemistry of the operation there has been no change.

The foregoing description of the various milling processes by which the precious metals are extracted from the ore may be appropriately followed by a tabular statement of the number of the mills themselves, their capacity, etc., etc.

A List of Quartz and Tailing Mills

IN

LYON, ORMSBY, AND STOREY COUNTIES, NEVADA.

LYON COUNTY.

NAME.	SITUATION.	TONS CAPACITY.	STAMPS.
Devil's Gate	Silver City . .	24	12
Pioneer	"	30	15
Bacon	"	40	20
Trench	"	40	20
Horn	"	20	10
Kelsey	"	30	15
Golden Age	"	10	5
Hope	"	20	10
Excelsior	Gold Cañon .	20	10
Sacramento	"	25	12

LYON COUNTY—(CONTINUED).

NAME.	SITUATION.	TONS CAPACITY.	STAMPS.
Swansea	Gold Cañon	25	12
Atlanta	"	20	10
Keystone	"	30	Tailings
Eureka	Carson River	120	60
Franklin	"	40	20
Woodworth	"	48	24
Island	"	20	10
Carson Valley	"	300	Tailings
Desert	"	25	"
Birdsall & Co.	Dayton	300	"
Reservoir	"	50	"
Rock Point	"	112	56
Spring Valley	Spring Valley	20	10
Daney	"	30	15

ORMSBY COUNTY.

NAME.	LOCATION.	MOTIVE.	STAMPS.	PANS.	SETTLERS.	TONS PER DAY.
Mexican	Empire	Water	44	20	10	120
Yellow Jacket	"	Steam	40	13	6	75
Brunswick	Carson River	Water	56	26	13	150
Merrimac	"	"	20	13	6	45
Vivian	"	"	16	8	7	40
Santiago	"	"	34	9	18	80

These mills are all kept running on Comstock ores, brought from the mines and delivered by the Virginia and Truckee Railroad.

BIENNIAL REPORT
OF THE
STATE MINERALOGIST
OF THE
STATE OF NEVADA,
FOR
THE YEARS 1871 AND 1872.

be necessary to sink several hundred feet further to obtain the same level. Powerful hoisting works have been erected at each one of the shafts. In No. 2 a large amount of water has been encountered. When the pumps are allowed to stop it rises to within three hundred feet of the surface. A large machine shop has been erected at Suttle for the manufacture of all the machinery to be used by the company. There is also here a store supplied with everything necessary for use at the different works. These are issued as they are needed. The formations through which the tunnel has passed so far, are: for the first seven hundred and fifty feet, conglomerate; then trachyte three hundred and eighty feet; after this a belt of clay one hundred and fifty feet; and then comes one thousand seven hundred and fifty feet of porphyry; again three hundred and ten feet of trachyte. It is calculated that the tunnel will be completed to the Comstock lode in from two to two and a half years from the present time, providing no unlooked for obstacles are met with in the prosecution of the work.

MILLS.

The following list of quartz and tailing mills was made by Mr. George McFadden, County Assessor:

Name.	Situation.	Capacity. tons.	Stamps.	Condition.
Devil's Gate.....	Silver City.....	24	12	running
Pioneer	Silver City.....	30	15	running
Bacon	Silver City.....	40	20	running
Trench	Silver City.....	40	20	running
Horn	Silver City.....	20	10	running
Kelsey.....	Silver City.....	30	15	running
Golden Age.....	Silver City.....	10	5	running
Hope	Silver City.....	20	10	running
Excelsior.....	Gold Cañon.....	20	10	running
Sacramento	Gold Cañon.....	25	12	idle
Swansea.....	Gold Cañon.....	25	12	idle
Atlanta.....	Gold Cañon.....	20	10	running
Keystone	Gold Cañon.....	30	Tailings.	running
Eureka.....	Carson River..	120	60	running
Franklin	Carson River..	40	20	running
Woodworth	Carson River..	48	24	running
Island.....	Carson River..	20	10	idle
Carson Valley	Carson River..	300	Tailings.	running
Desert	Carson River..	25	Tailings.	running
Birdsall & Co.....	Dayton.....	300	Tailings.	running
Reservoir.....	Dayton.....	50	Tailings.	running
Rock Point.....	Dayton.....	112	56	idle
Spring Valley.....	Spring Valley..	20	10	running
Daney	Spring Valley..	30	15	idle

had been discovered, which caused the locating of many claims in the neighborhood and the sinking of numerous shafts and tunnels. The total abandonment after a short time of exploitation, has set the seal of worthlessness upon the claims, and they have not been prospected since. Various other excitements of the kind were started, and at one time the Clear Creek region was alive with men at work vigorously, in full faith of getting their "pile" at once, but with the same result as before. The lodes in the neighborhood of Carson, where the claims referred to have been located, have failed so far as penetrated, and are found to lack consistency and regularity, though highly auriferous in spots. A drawback experienced in the working of these mines was the great expense of transporting the ore developed to distant mills, which compelled claim holders without means to give up work and leave the problem of the value and character of the lodes, upon which they had labored hard and spent all their capital, unsolved. The ores in these districts carry a large proportion of copper, and in some cases a large per cent of free gold. Sluicing was carried on formerly about three miles west of Carson, but given up now as unremunerative. No regular vein was found; the surface earth, however, gave fair returns in free gold.

EMPIRE CITY

Is a small town, situated about three or three and one half miles from Carson, westward, on the Carson River. It has from three hundred to four hundred inhabitants, composed of laborers in the neighboring quartz mills and at the wood yard, and their families. The town contains two miscellaneous stores, one of which is very large and well stocked. It has a beef market, four saloons, and a large dance hall. It can boast a comfortable school house, and between forty and fifty children in daily attendance; and, as intimated before, it is the terminus of all floats of wood and lumber down the Carson.

MILLS IN ORMSBY COUNTY.

Name.	Location.	Motive.	Stamps.	Pans.	Settlers.	Tons per day.
Mexican	Empire	Water...	44	20	10	120
Yellow Jacket	Empire	Steam...	40	13	6	75
Brunswick	Carson River..	Water...	56	26	13	150
Merrimac	Carson River..	Water...	20	13	6	45
Vivian	Carson River..	Water ..	16	8	7	40
Santiago	Carson River..	Water...	34	9	18	80
Total .....	.....	.....	210	.....	.....	510

These mills are all kept running on Comstock ores brought from the mines and delivered by the Virginia and Carson Railroad.

MILLS.

I am indebted to Mr. Samuel Doake, of Virginia City, who has kindly prepared the following tabular statement of the mills in Storey County:

Name of Mill.	No. of Stamps.	No. tons per day.	Location.	Crushing Ore, from.
Boston	5	.....	Gold Cañon	Empire, Gold Hill
Ione	5	15	Gold Cañon	Crown Point Croppings
Succor	15	25	Gold Cañon .....	..... Idle
Ramsdale	2	5	Gold Cañon .....	..... Woodside
Pacific	30	70	Gold Cañon .....	..... Belcher
Papoose	5	14	Gold Cañon .....	..... Gold Hill Croppings
Plute	20	50	Lower Gold Hill .....	..... Idle
Douglas	15	30	Lower Gold Hill .....	..... Empire, Gold Hill
Atlas	15	45	Lower Gold Hill .....	..... Savage
Petaluma	24	75	Lower Gold Hill .....	..... Crown Point
Sapphire	15	40	Lower Gold Hill .....	..... Crown Point
Rhode Island	25	50	Lower Gold Hill .....	..... Crown Point
Gold Hill Quartz	8	18	Lower Gold Hill .....	..... Idle, out of wood
Sunderland	10	25	Lower Gold Hill .....	..... Belcher
Hoosier State	18	40	Virginia .....	..... Savage
Sierra Nevada	20	50	Virginia .....	..... Sierra Nevada
Evans	5	13	7-Mile Cañon .....	..... Savage
Mariposa	12	30	7-Mile Cañon .....	..... Hale & Norcross
Sacramento & Meredith	20	50	Cedar Hill .....	..... Idle
Winfield	20	50	7-Mile Cañon .....	..... Chollar
Atlantic	12	30	7-Mile Cañon .....	..... Idle
Landy	20	50	7-Mile Cañon .....	..... Chollar
De Lands	15	35	6-Mile Cañon .....	..... Idle
Nevada	20	50	Virginia .....	..... Chollar
Empire State	15	40	6-Mile Cañon .....	..... Idle
Park & Bowie, No. 1 .....	.....	.....	6-Mile Cañon .....	..... Tailing Mill
Park & Bowie, No. 2 .....	.....	.....	6-Mile Cañon .....	..... Tailing Mill
Occidental	20	50	Silver Star Dist. .....	..... Tailing Mill
Lady Bryan	10	.....	6-Mile Cañon .....	..... Idle
Total, 20 mills	399	1,001		

WASHOE COUNTY.

This county is north of Ormsby. It takes its name from a tribe of Indians who inhabit the western portion of the State. A few mining districts have been organized within its boundaries, at different times, but none of them have ever been a source of much profit. The wealth of this county consists chiefly in its agricultural resources and timber lands. Formerly, the streams of water flowing from the cañons in the Sierras into Washoe Valley were made available for milling purposes, in reducing the ores from the Comstock; and at one time no less than ten mills, having an aggregate of two hundred and eighty-one stamps, were in active operation in this county—some of these, moreover, were of the largest size, and first-class in all their appliances. The Ophir Company's Mill, of seventy stamps capacity, and built at a cost of a half million dollars, and Dall's Mill at Franktown, having sixty stamps, were among

acknowledged to me that he executed the same freely and voluntarily and for the uses and purposes therein mentioned.

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(L.S.)

In witness whereof I have hereunto set my hand and affixed the Seal of said Court this day and year first above written.

T. J. Edwards, County Clerk of

Ormsby County and Ex Officio Clerk of the District Court

Second Judicial District Nevada

Filed 1/4 past 9 And 28 October 1870 & Remains same day. Opposite to original.
 now four 25 Cents Post Revenue Receipts, Cancelled - Two of Notaries and Two of
 Nevada. Signed & Sealed. Received.

11/1/1870 SHARON ACQUIRES
 2/3 INTEREST IN V

VIAN
 MILL

This Indenture made the First day of November, in the year of our Lord eighteen hundred and Seventy, Between A. E. Head, of the City of San Francisco, State of California, party of the first part, and William Sharon, of the City of Virginia, County of Storey, and State of Nevada, party of the second part, Witnesseth, that the said party of the first part, for and in consideration of the sum of Five Thousand Dollars, to him in hand paid by the said party of the second part, at or before the sealing, and delivery of these presents, the receipt whereof is hereby acknowledged, has granted, bargained and sold, conveyed and confirmed, and by these presents does grant, bargain and sell, convey and confirm unto the said party of the second part, and to his heirs and assigns forever, All of an undivided two thirds (2/3) interest in and to the following described premises, to wit: Situate lying and being in the County of Ormsby, State of Nevada, and bounded and described as follows; Commencing at a point in the Southern boundary of the North East quarter of Section Seven (7) in Township Number Fifteen (15) North of Range Number Twenty-one (21) East, of the Monte Diablo Meridian, which point is six and six one hundredths (6.61) chains West of the South East corner of said North East quarter of section number Seven (7) running thence North Forty (40) chains to the Northern boundary of said North East quarter of section number Seven (7); thence West thirteen and thirty nine (13.39) hundredths chains along said Northern boundary of said North East quarter of Section number Seven (7); thence South Forty (40) chains to the Southern boundary of said North East quarter of Section number Seven (7); thence East along said Southern boundary, thirteen and thirty nine hundredths (13.39) chains to the place of beginning, Containing Fifty three and fifty six (53.56) hundredths acres of land, be the same


more or less. Also, an undivided two thirds ($\frac{2}{3}$) interest in the North West quarter of the North East quarter of said section number Seven (7). Containing, according to Government Survey, Forty acres of land, be the same more or less. Also, an undivided two thirds ($\frac{2}{3}$) interest in the mill and the machinery thereof, known as the "Twigan Mill", situated on the premises above described, and the water, water rights, privileges and franchises, belonging to said premises.

Together with all and singular covenements, hereditaments and appurtenances thereto belonging, or in anywise appertaining, and the reversion and reversions, remainder and remainders, rents, issues and profits thereof.

And, also all the estate, right, title, interest, property, possession, claim and demand what soever, as well in law as in equity, of the said party of the first part, of, unto the above described premises, and every part and parcel thereof, with the appurtenances. To Have and To Hold: all and singular the above mentioned and described premises together with the appurtenances, unto the said party of the second part, his heirs and assigns forever.

In Witness whereof, the said party of the first part has hereunto set his hand and seal the day and year first above written.

Signed, Sealed and Delivered,
in presence of us, Revenue and Treasurers of
Revenue stamps, to the amount of
\$ — cancelled, in the presence of

A. E. Head 

State of Nevada,

County of Storey, 3rd On the first day of November, 1890, One thousand eight hundred and ninety, before me Will H. Burrall, Notary Public in and for said County, residing therein, duly commissioned and sworn, personally appeared A. E. Head whose name is subscribed to the annexed instrument as a party thereto, who is personally known to me to be the individual described in and who executed the said annexed instrument, and who duly acknowledged to me that he executed the same freely and voluntarily, and for the uses and purposes therein mentioned.

In Witness whereof, I have hereunto set my hand and affixed my Official Seal, at my office in said County, the day and year in this Certificate first above written.

Will H. Burrall
Notary Public

Filed for record 18th Nov. 1890 & returned 14th Nov. 1890, affixed to original and following Revenue stamps, cancelled. One of \$5 of Nevada, and three of \$1 each and forming \$8 in amount of Notary's fees.
G. O. H. H. H. H. H.